Advanced Science Documentary On Ants.

Massachusetts Institute of Technology

MS Science Writing Program
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TABLE OF CONTENTS

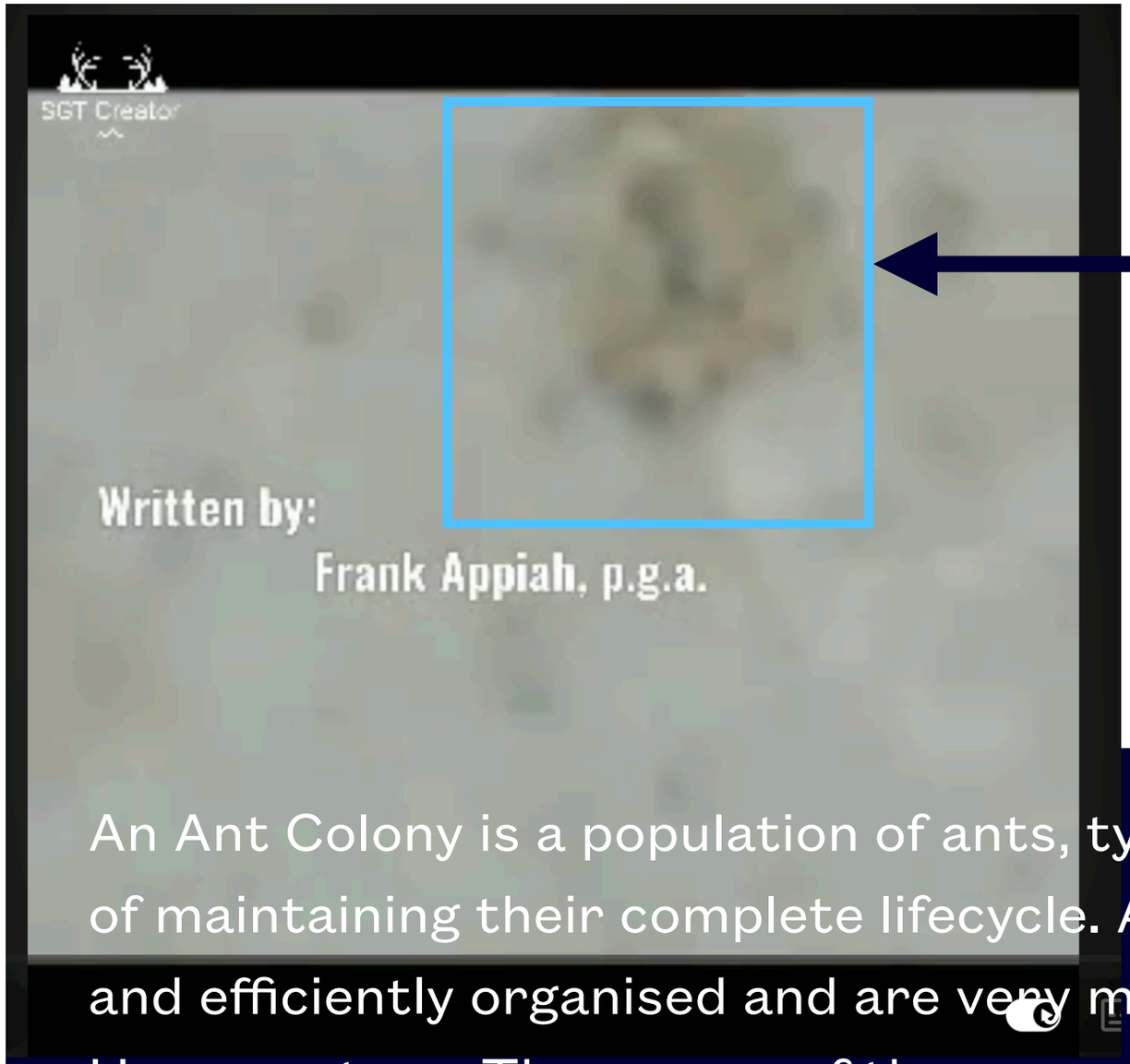
1. ANT COLONY

2. ANT COMMUNICATION

3. FORAGE WORKERS ON MUTUALISTIC RELATIONSHIPS.

4. REFERENCE.

1. ANT COLONY.



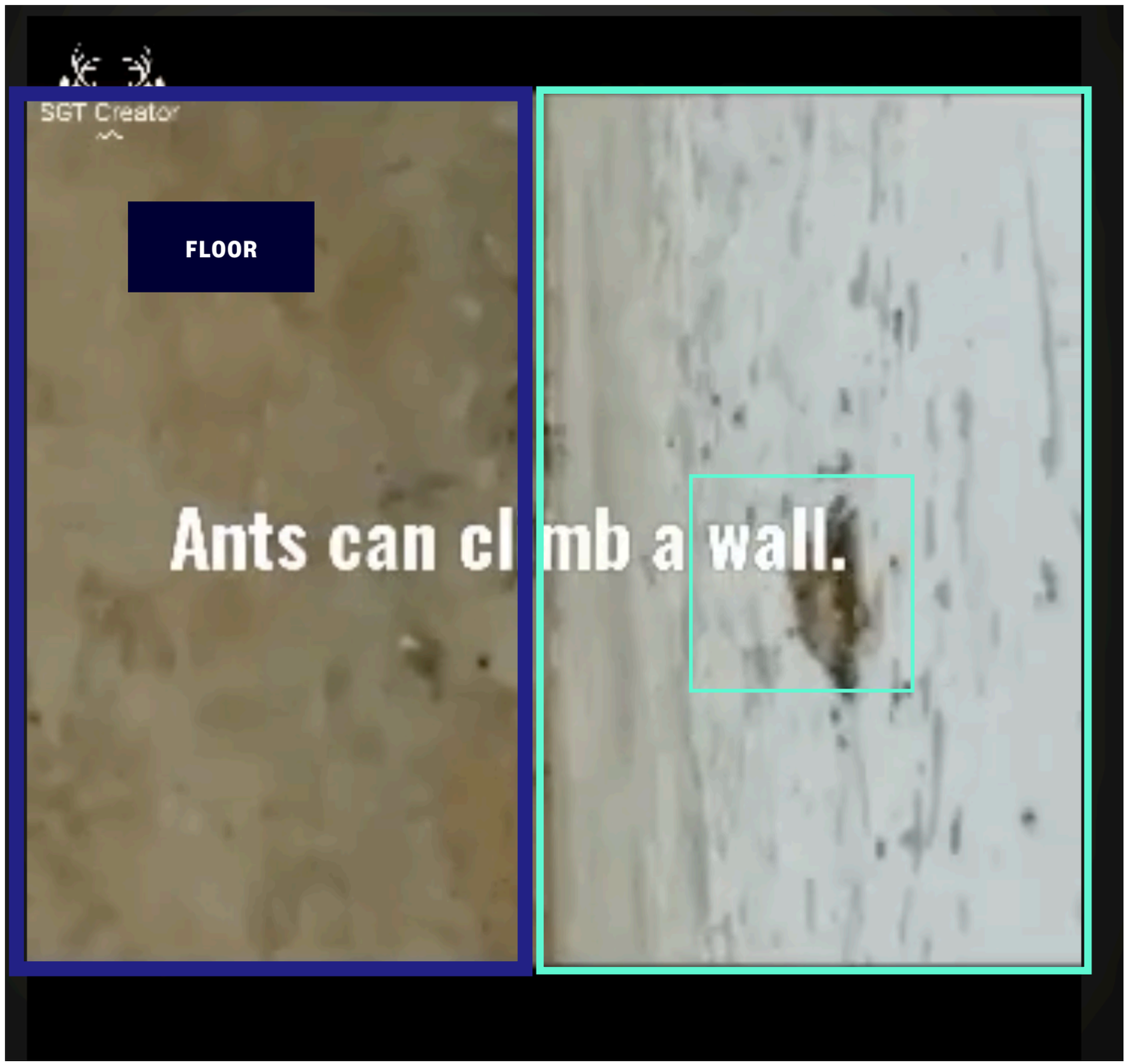
Distort Imagery of Ant Colony.

An Ant Colony is a population of ants, typically from a single species, capable of maintaining their complete lifecycle. Ant colonies are eusocial, communal and efficiently organised and are very much like those found in other social Hymenoptera. The groups of these are socially independently developed through convergent evolution.

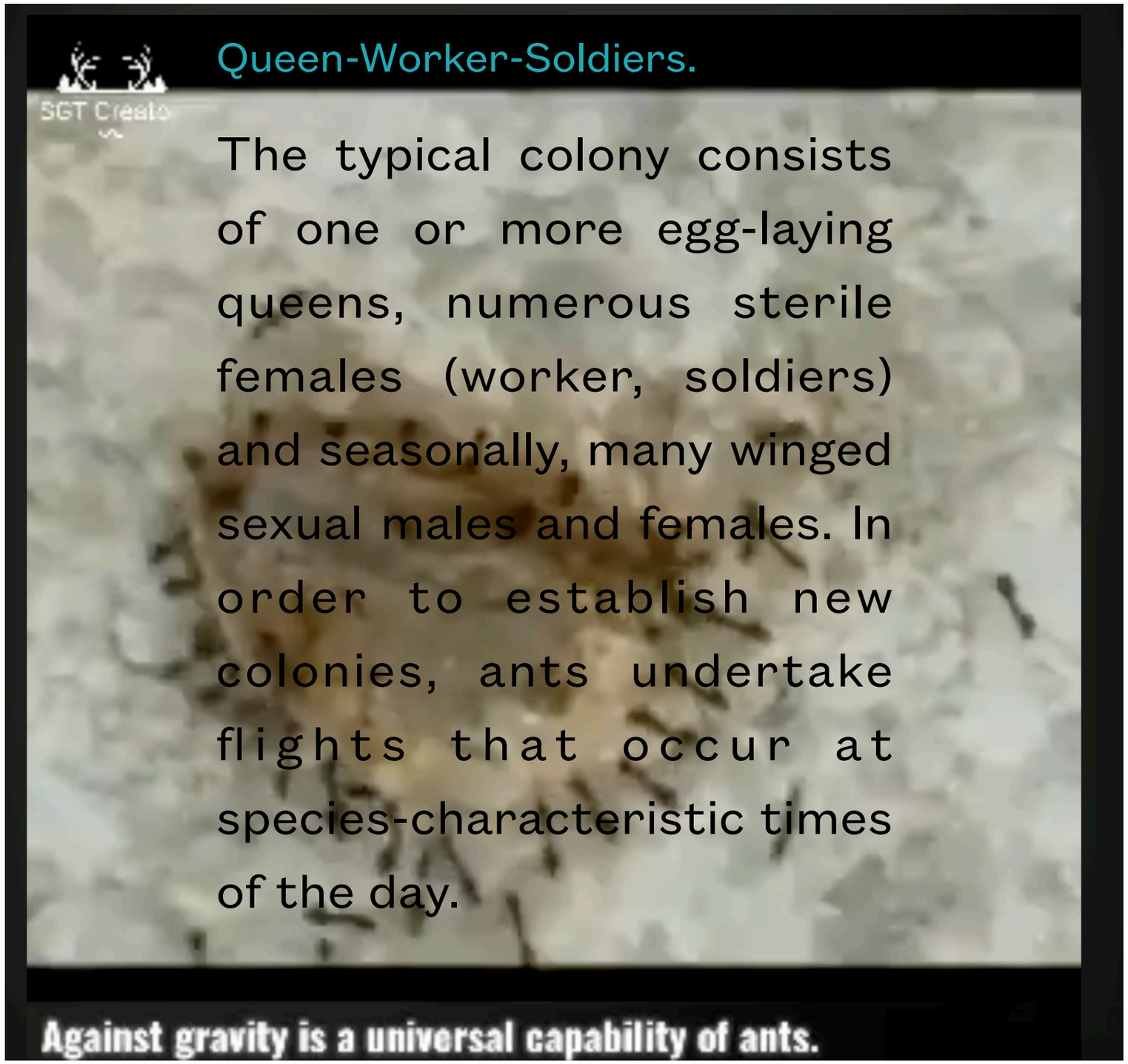
SGT Creator
Ants can climb a wall.

SGT Creator
Ants can climb a wall.

Box Illustration.



Further Note


Queen-Worker-Soldiers.
The typical colony consists of one or more egg-laying queens, numerous sterile females (worker, soldiers) and seasonally, many winged sexual males and females. In order to establish new colonies, ants undertake flights that occur at species-characteristic times of the day.
Against gravity is a universal capability of ants.

ANT WORKERS

Against gravity is a universal capability of ants.

WORKERS

WORKERS

Colony size is very important to ants: it can affect how they forage, how they defend (bite sensations that I came to experience) their nests, how they mate, and even their physical appearance (brown smallest animal that I have ever seen).

The capture colony from the lens of camera is about 31.

COLONY 31

SGT Creato
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Against gravity is a universal capability of ants.

CLINGING OBJECT: BAKE PIE LEFTOVER.

Against gravity is a universal capability of ants.

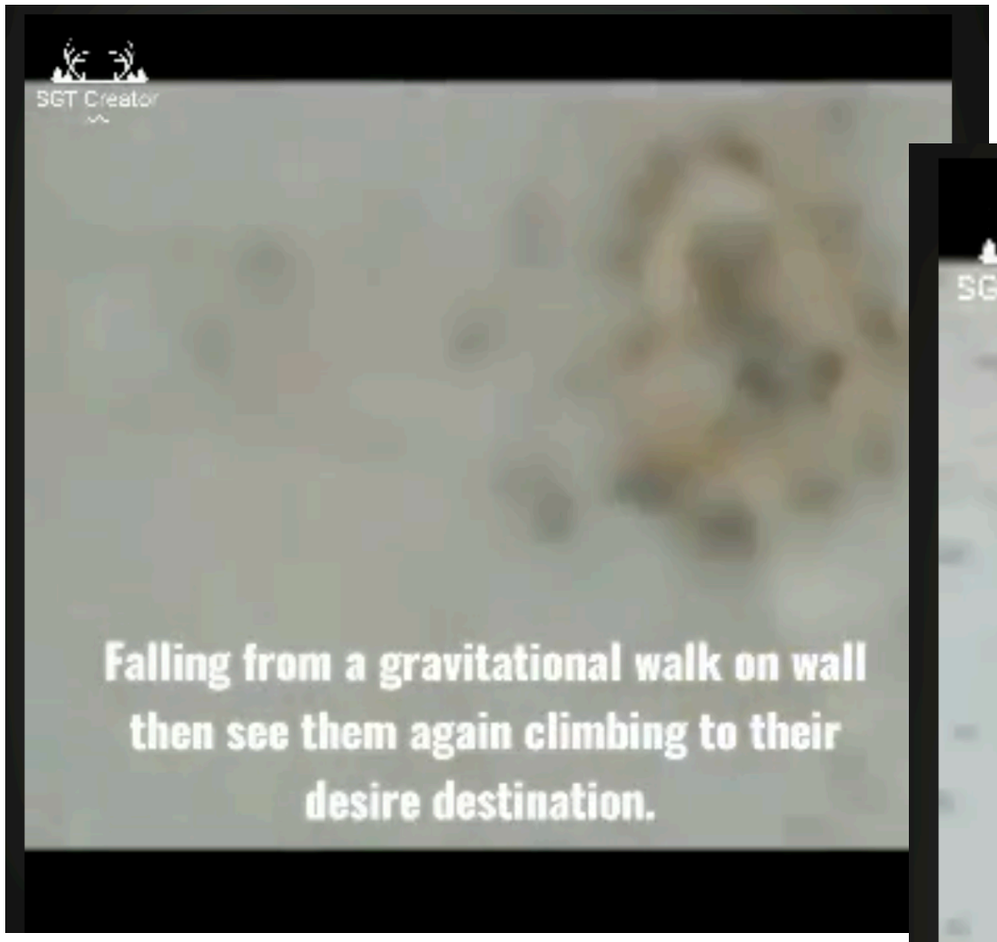
SGT Creator
Ants can climb a wall.

Swarms of the winged sexual (known as states) depart the nest in search of other nests.

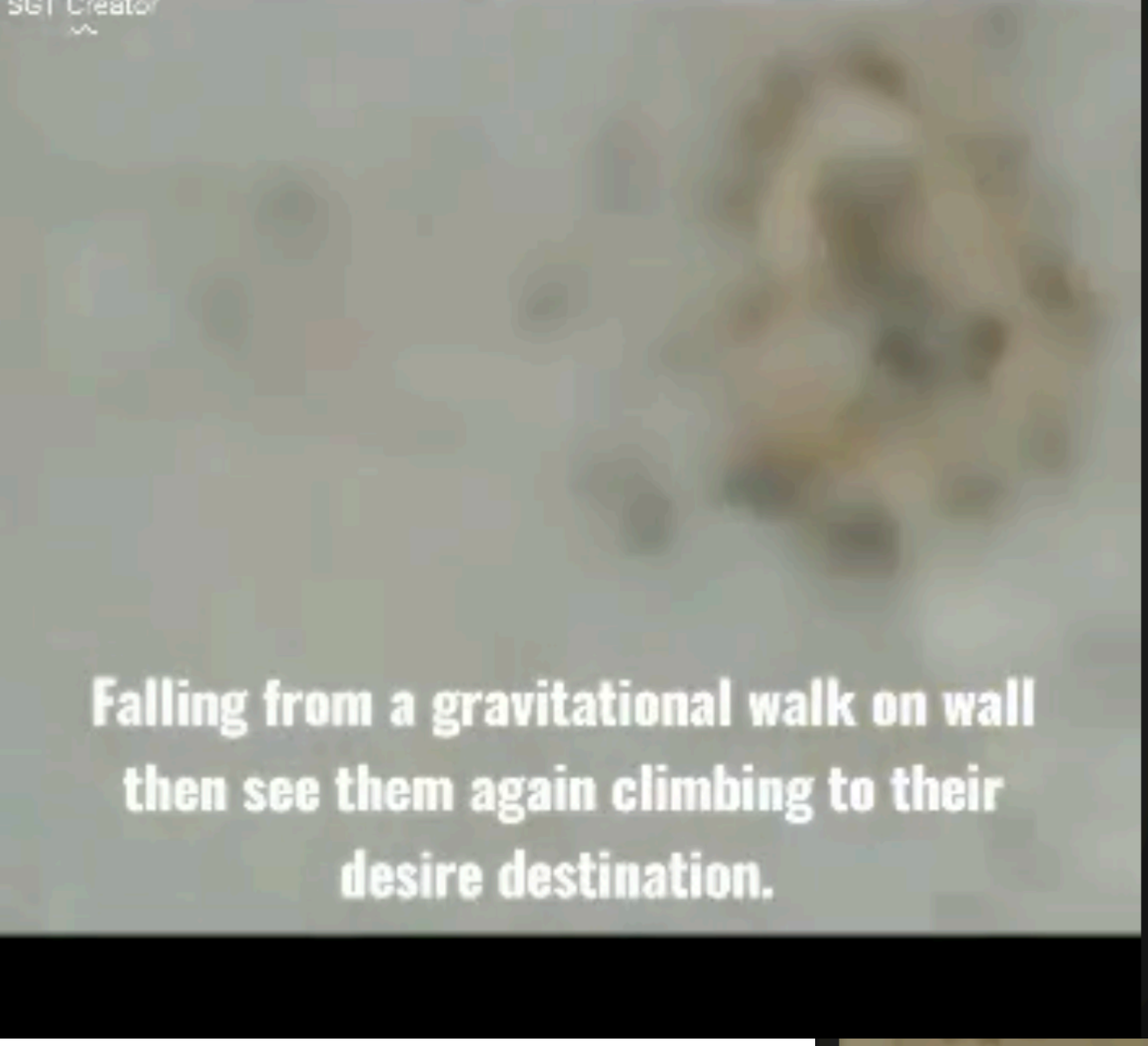
The males die shortly thereafter, along with most of the females.

A small percentage of the females survive to initiate new nests.

GRAVITATIONAL WALK
SGT Creator
Falling from a gravitational walk on wall
then see them again climbing to their
desire destination.


SGT Creator
Falling from a gravitational walk on wall
then see them again climbing to their
desire destination.

DESIRE DESTINATION
SGT Creator
Falling from a gravitational walk on wall
then see them again climbing to their
desire destination.


SGT Creator
Falling from a gravitational walk on wall
then see them again climbing to their
desire destination.

They will start again from
a gravity fall.

The population of workers, reproductive individuals and brood that live together, cooperate and treat one another non-aggressively.

Often this comprises the genetically related progeny from a single queen, although this is not universal across ants.

‘Ant farm’ is a term commonly given to ant nest that are kept in formicaria

Isolated from their natural habitat.

2. ANT COMMUNICATION

Array Pictures of Climbs.

In ant colonies there can range from a few dozen to millions of ants so communication is very important, because of these ants have been known to communicate through something called odor trails of pheromone trails. These pheromone or odor trails are secreted by certain glands on ants body though these glands and where they are located differ for each ant species.

ODOR TRAILS

SGT Creator
Ants can climb a wall.
SGT Creator
Ants can climb a wall.
SGT Creator
Against gravity is a universal capability of ants.

PHEROMONE

SGT Creator
In terms of gravity, ants move with
clinging objects along its movement.

SGT Creator
Falling from a gravitational walk on wall
then see them again climbing to their
desire destination.

SGT Creator
Ants can climb a wall.

SGT Creator
Ants can climb a wall.

SGT Creator
Against gravity is a universal capability of ants.

ANT SPECIES

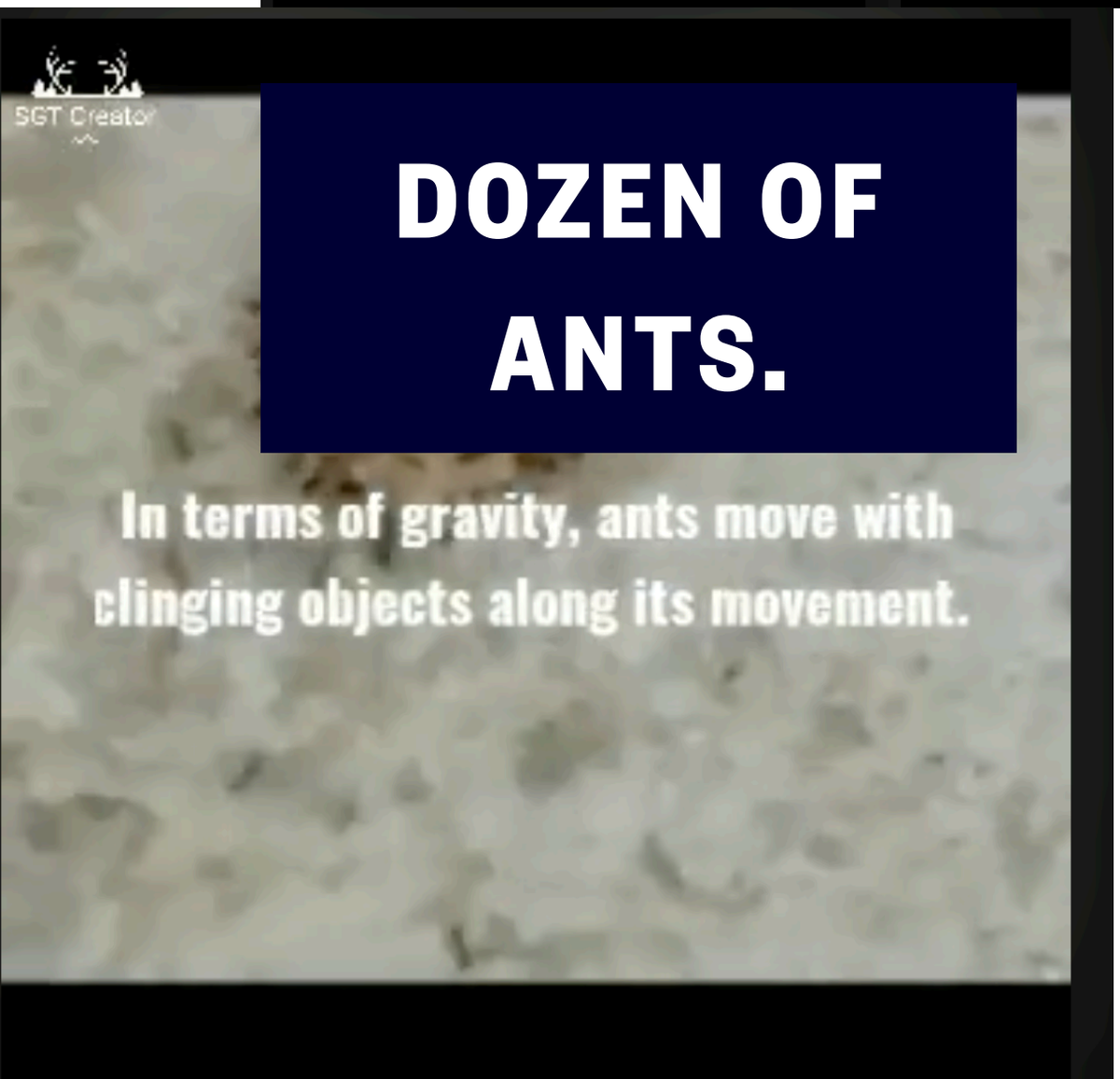
SGT Creator
In terms of gravity, ants move with clinging objects along its movement.

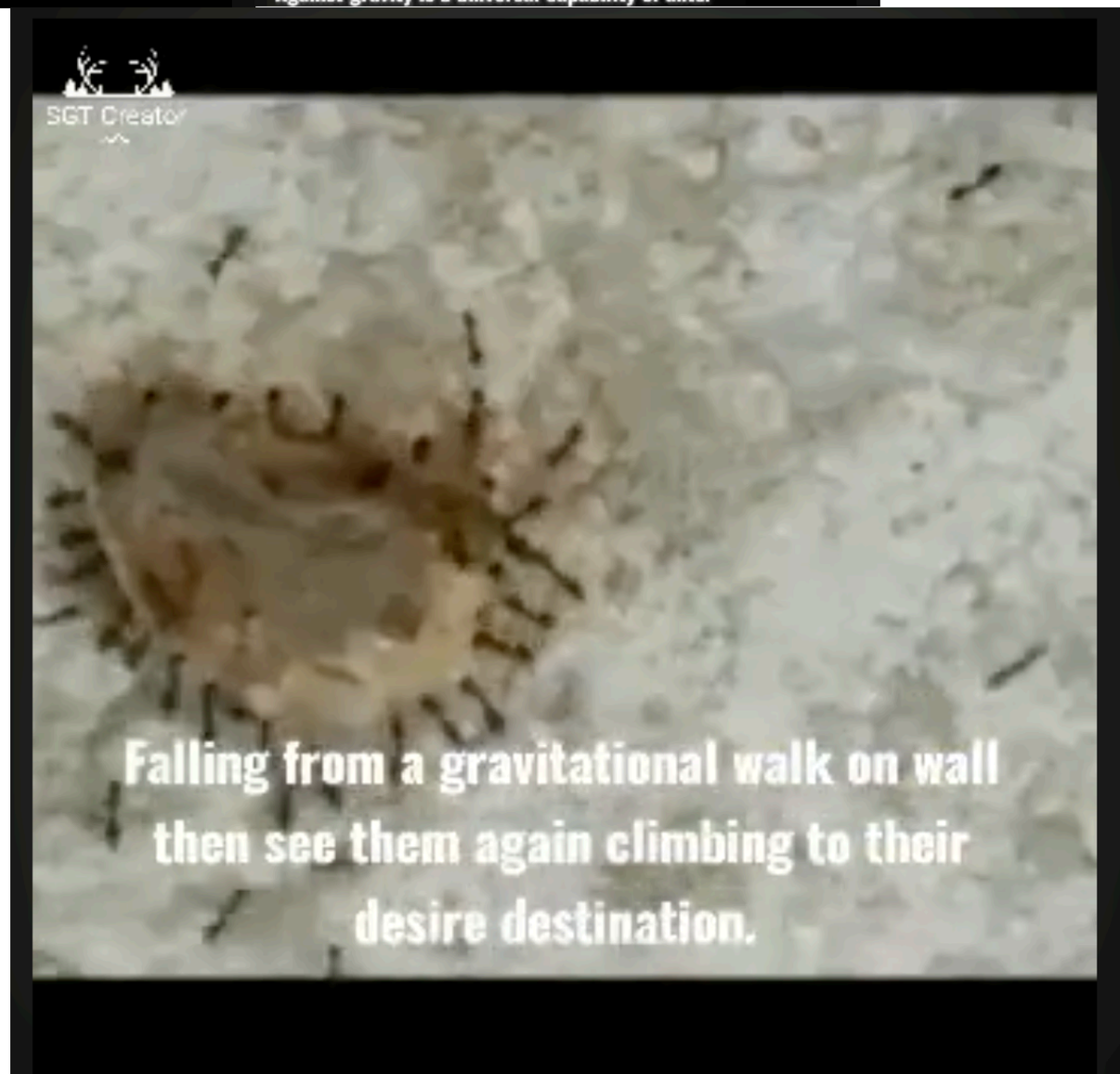
SGT Creator
Falling from a gravitational walk on wall then see them again climbing to their desire destination.

SGT Creator
Ants can climb a wall.

SGT Creator
Ants can climb a wall.

SGT Creator
Against gravity is a universal capability of ants.


SGT Creator
DOZEN OF ANTS.
In terms of gravity, ants move with clinging objects along its movement.


SGT Creator
Falling from a gravitational walk on wall then see them again climbing to their desire destination.

SGT Creator
Ants can climb a wall.

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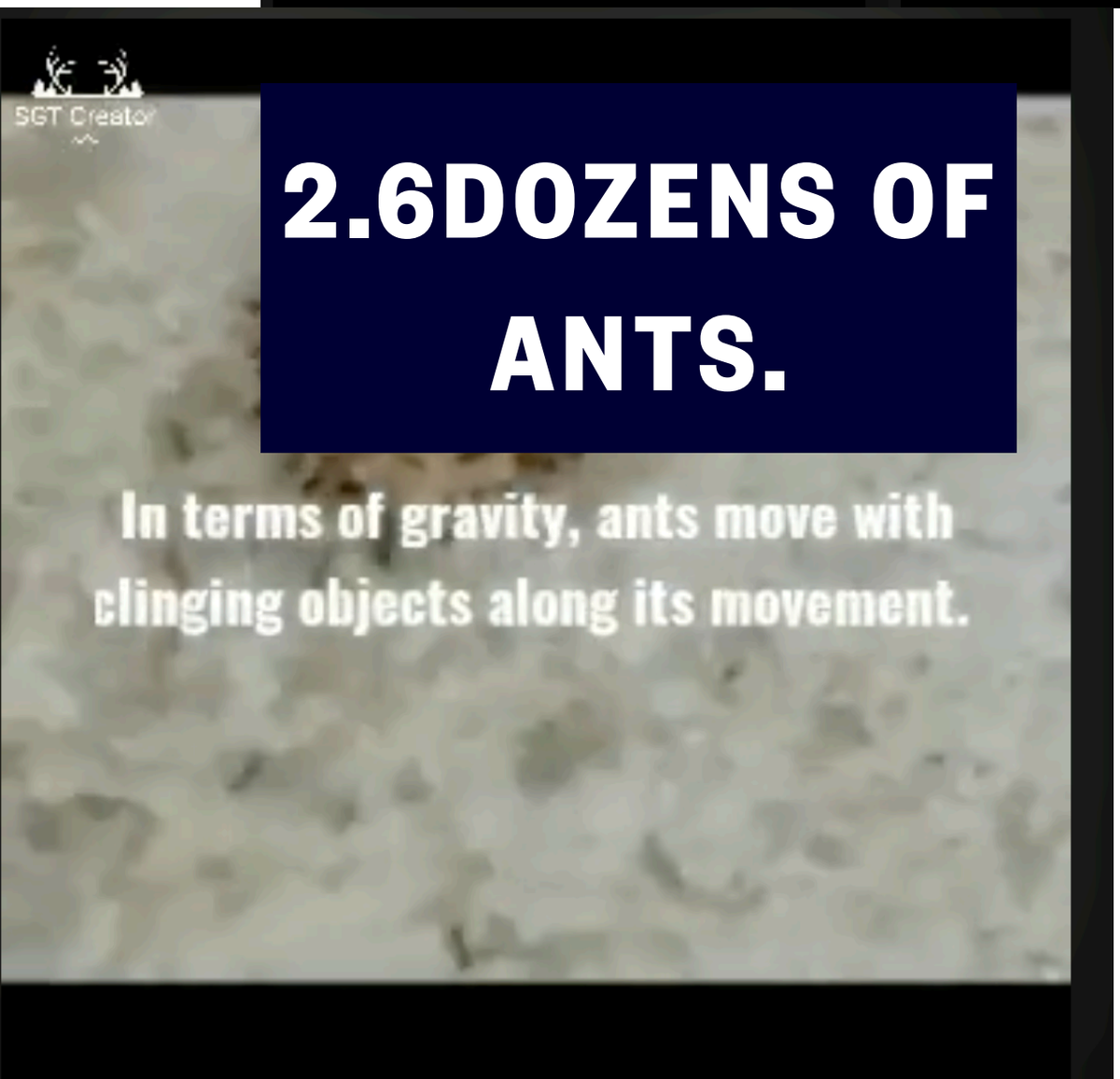
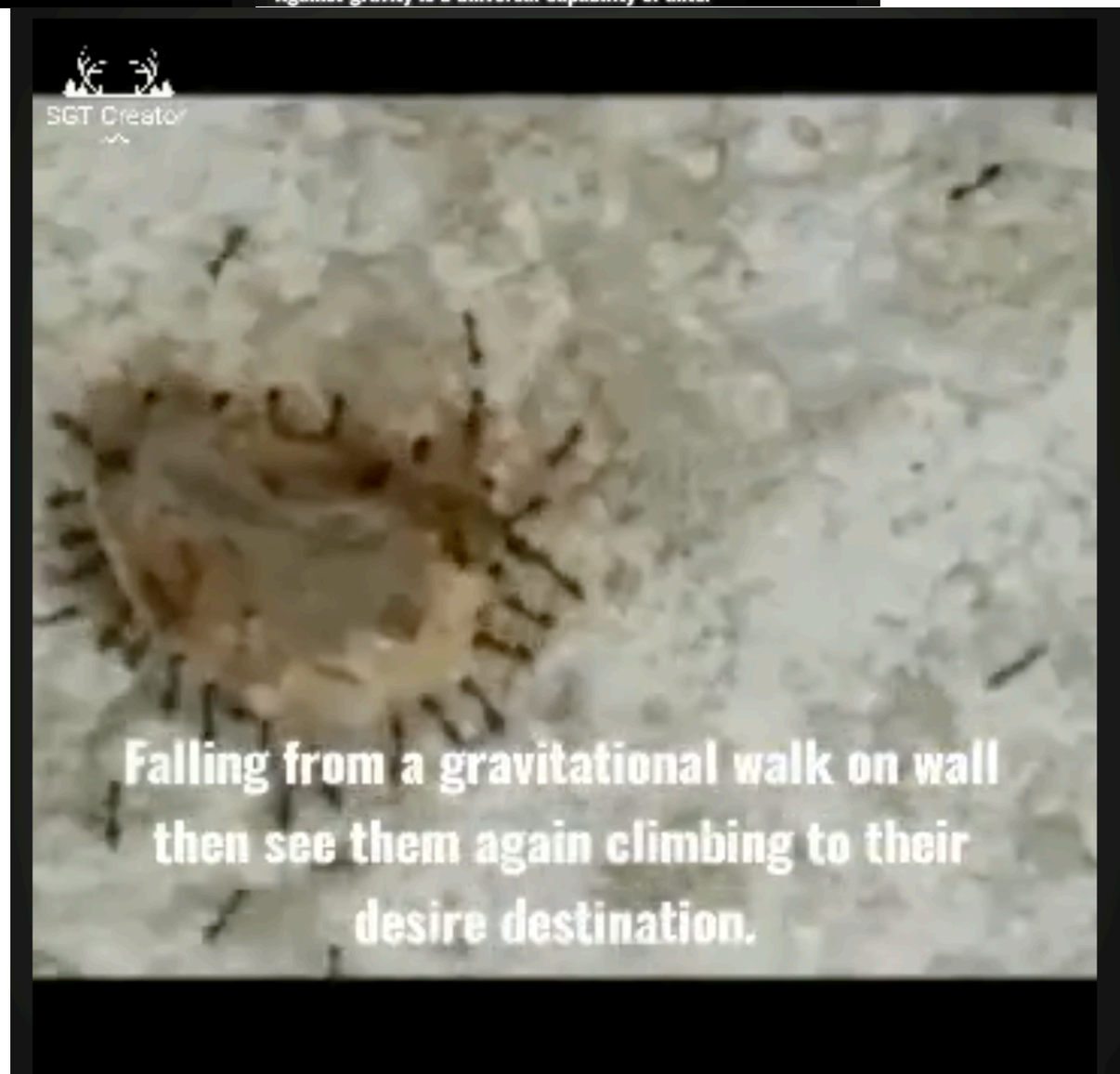
Ants can climb a wall.

SGT Creator
Against gravity is a universal capability of ants.


SGT Creator
2.6DOZENS OF ANTS.
In terms of gravity, ants move with clinging objects along its movement.


SGT Creator
Falling from a gravitational walk on wall then see them again climbing to their desire destination.

SGT Creator
Ants can climb a wall.

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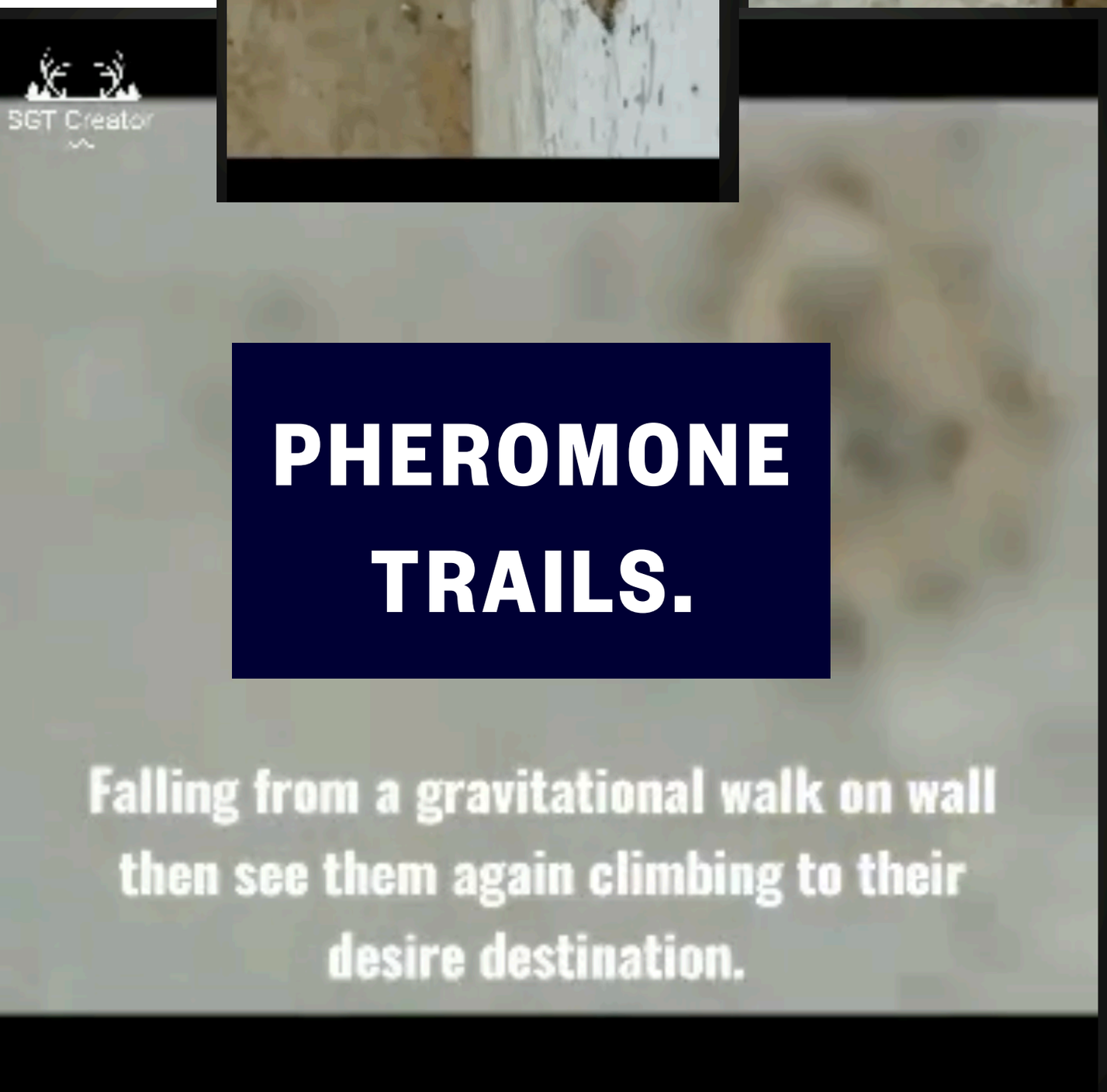
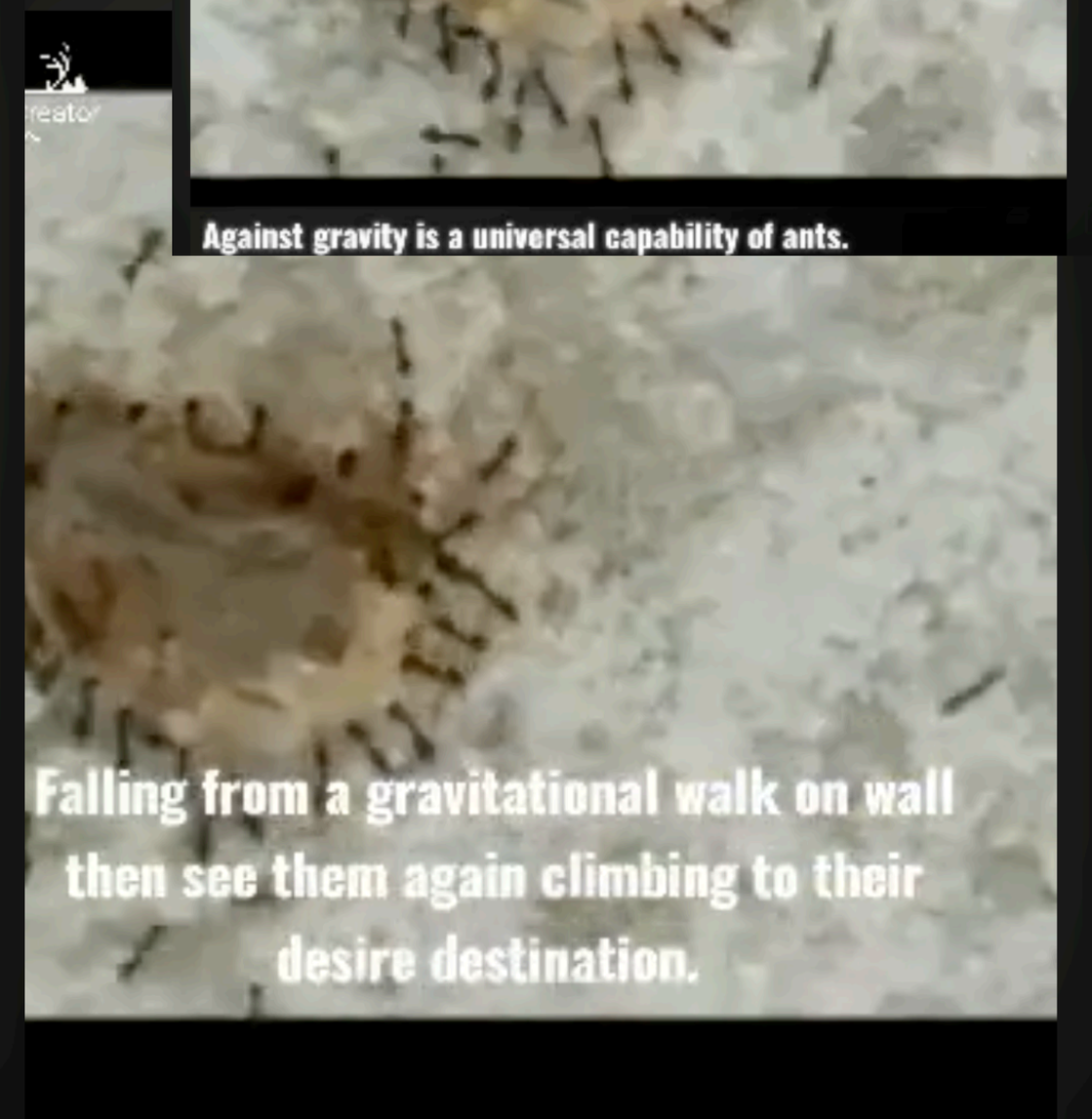
SGT Creator
Against gravity is a universal capability of ants.


SGT Creator
PHEROMONE TRAILS.
Falling from a gravitational walk on wall then see them again climbing to their desire destination.

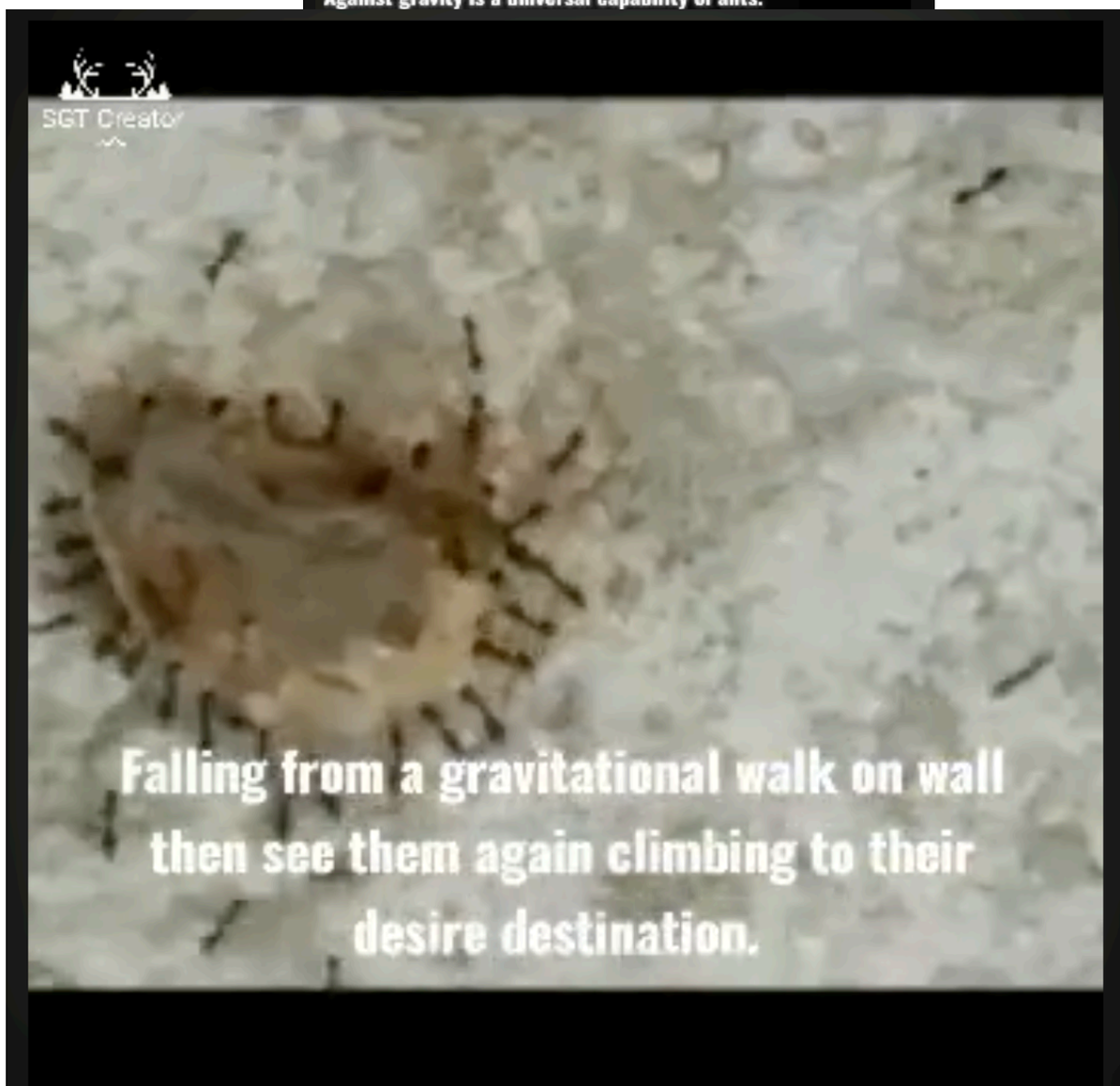

Falling from a gravitational walk on wall then see them again climbing to their desire destination.

ANT COLONY

SGT Creator
Ants can climb a wall.

SGT Creator
Against gravity is a universal capability of ants.

SGT Creator
In terms of gravity, ants move with
clinging objects along its movement.

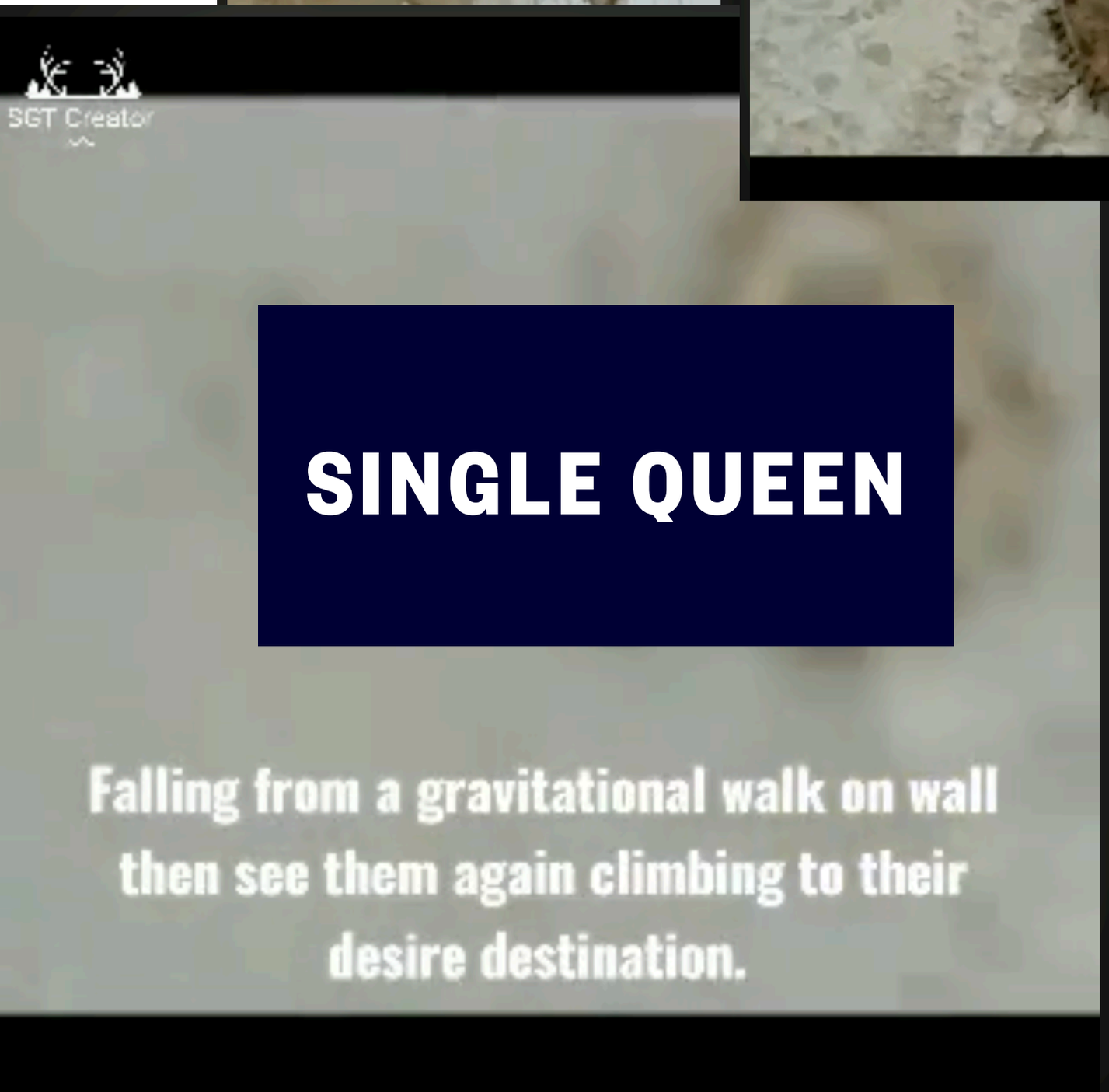

SGT Creator
Falling from a gravitational walk on wall
then see them again climbing to their
desire destination.

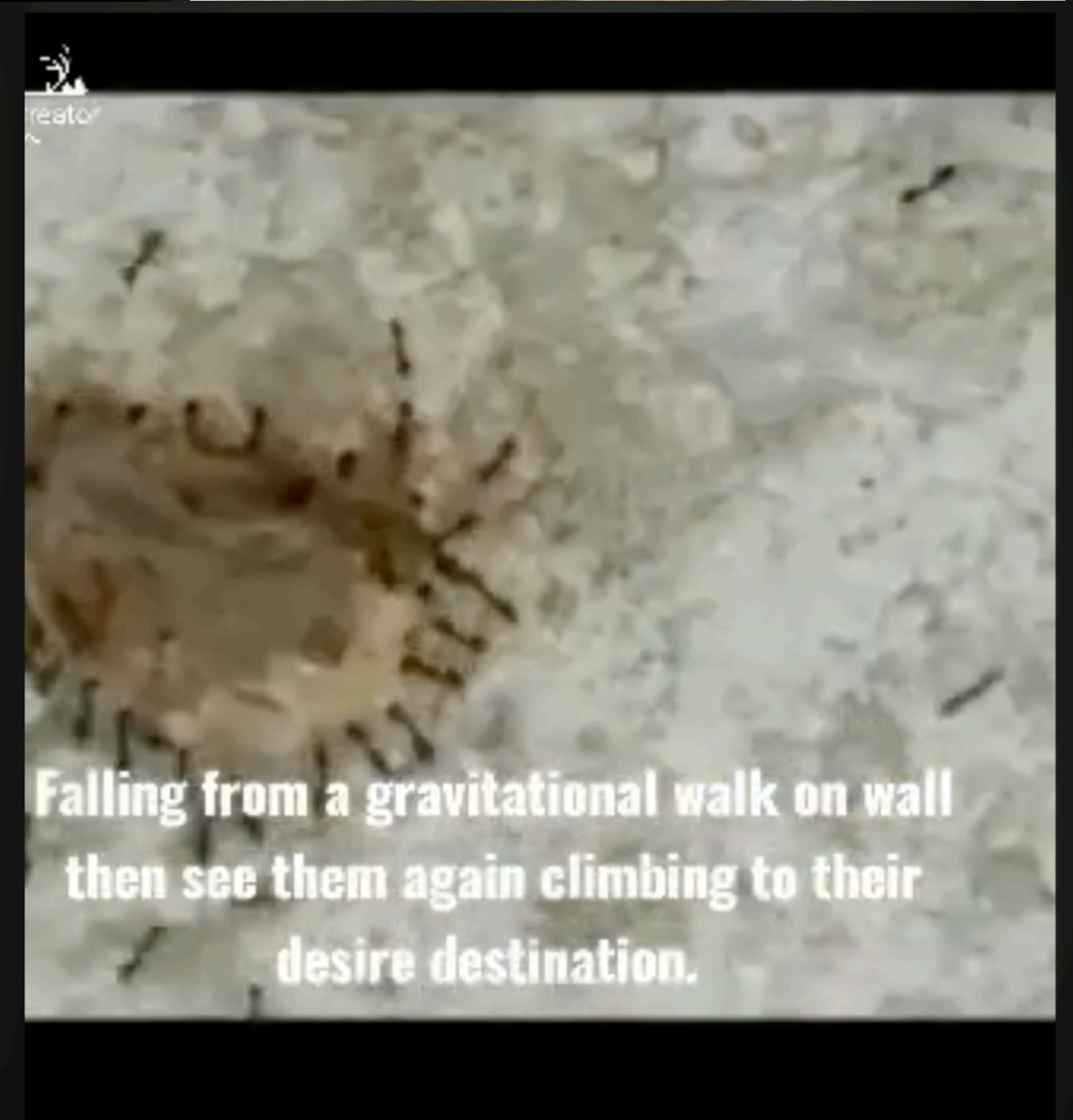
UNIVERSAL ANTS.

SGT Creator
Ants can climb a wall.

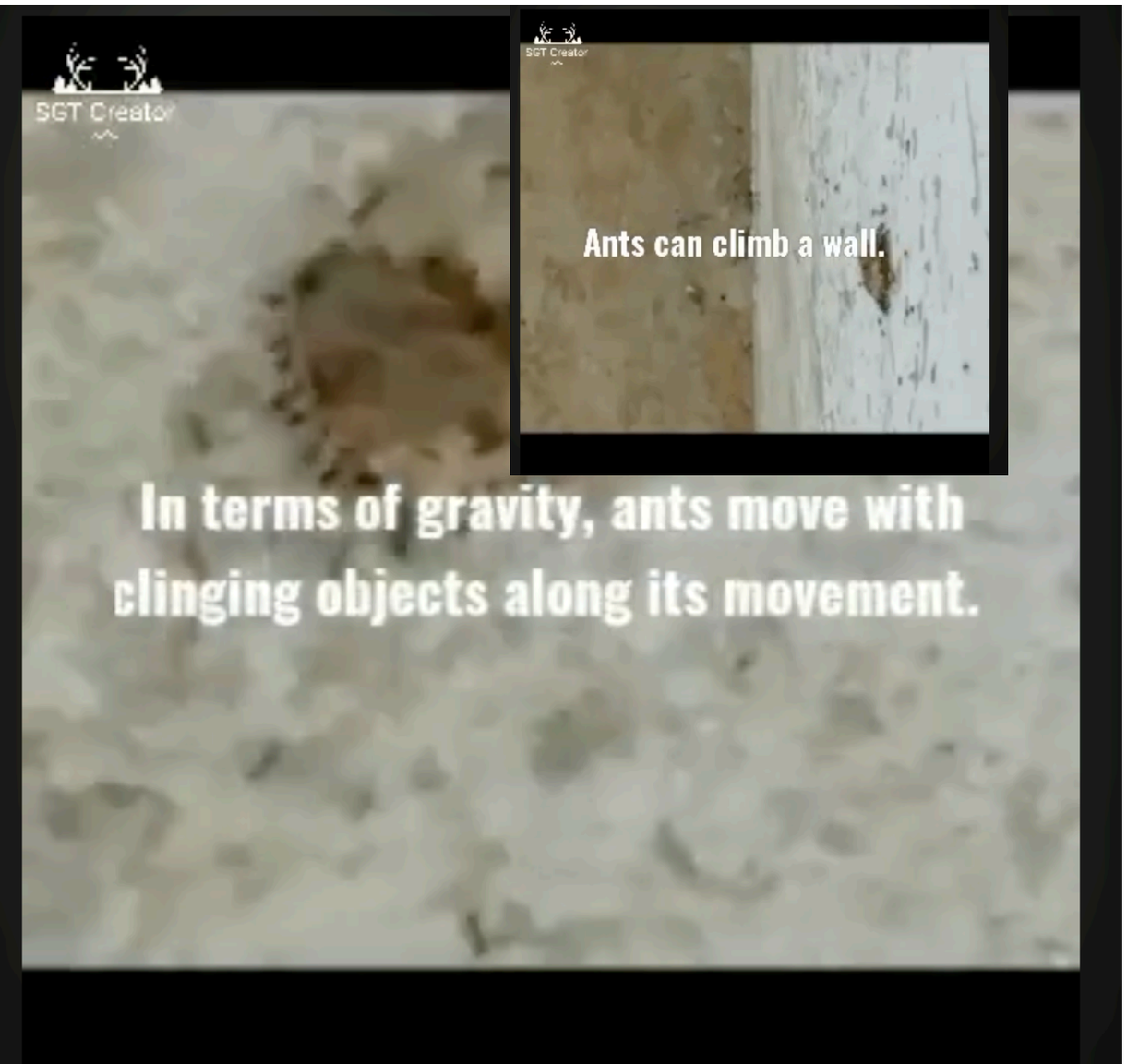
SGT Creator
Ants can climb a wall.

SGT Creator


SGT Creator
SINGLE QUEEN
Falling from a gravitational walk on wall
then see them again climbing to their
desire destination.

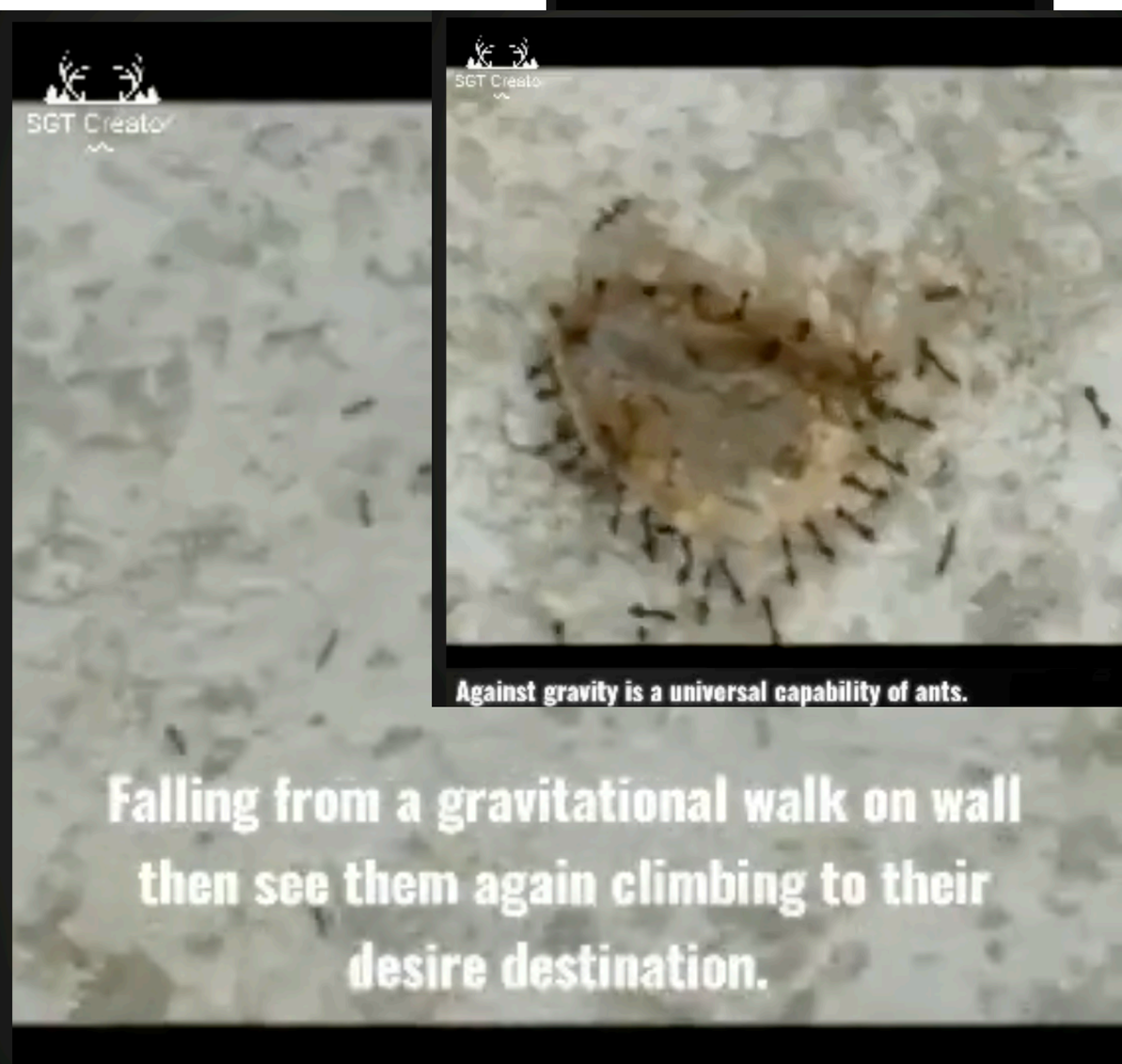

Falling from a gravitational walk on wall
then see them again climbing to their
desire destination.

FORMICARIA


SGT Creator
SGT Creator
Ants can climb a wall.
In terms of gravity, ants move with
clinging objects along its movement.

SGT Creator
SGT Creator
Against gravity is a universal capability of ants.
Falling from a gravitational walk on wall
then see them again climbing to their
desire destination.

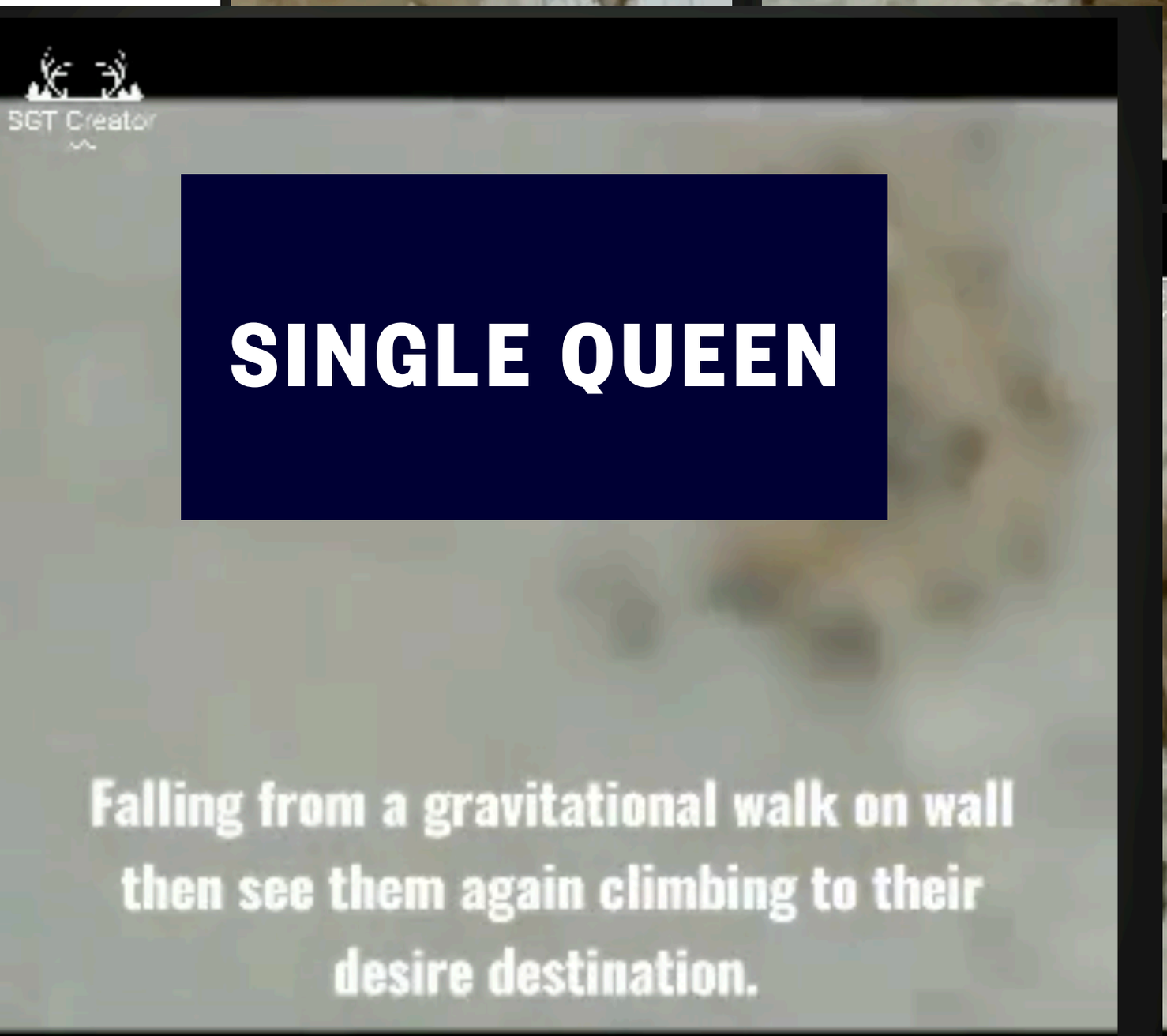
NATURAL HABITAT.


SGT Creator
SGT Creator
Against gravity is a universal capability of ants.
Falling from a gravitational walk on wall then see them again climbing to their desire destination.

SGT Creator
Ants can climb a wall.

SGT Creator
Ants can climb a wall.

SGT Creator
Against gravity is a universal capability of ants.


SGT Creator
SINGLE QUEEN
Falling from a gravitational walk on wall
then see them again climbing to their
desire destination.

Falling from a gravitational walk on wall
then see them again climbing to their
desire destination.

SGT Creator
Ants can climb a wall.

SGT Creator
Ants can climb a wall.

SGT Creator
Against gravity is a universal capability of ants.

SGT Creator
ANT.
COMMUNICATION.
Falling from a gravitational walk on wall
then see them again climbing to their
desire destination.

SGT Creator
Falling from a gravitational walk on wall
then see them again climbing to their
desire destination.

SGT Creator
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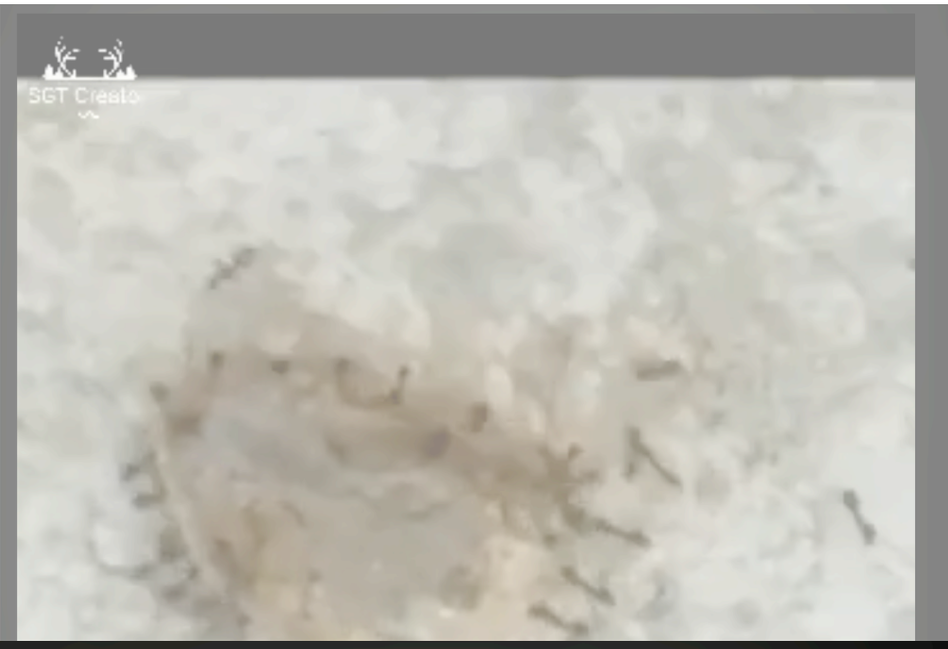
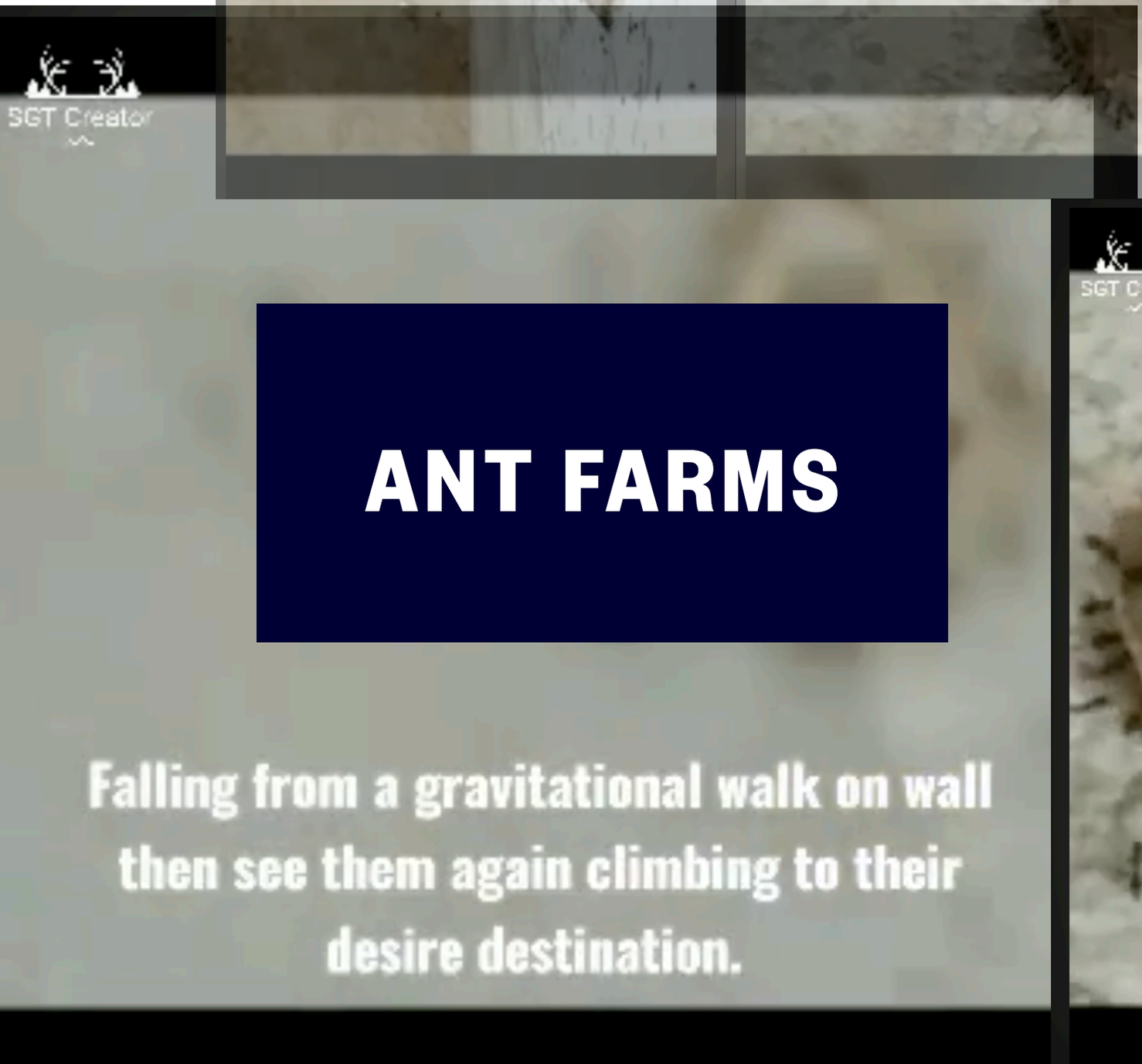
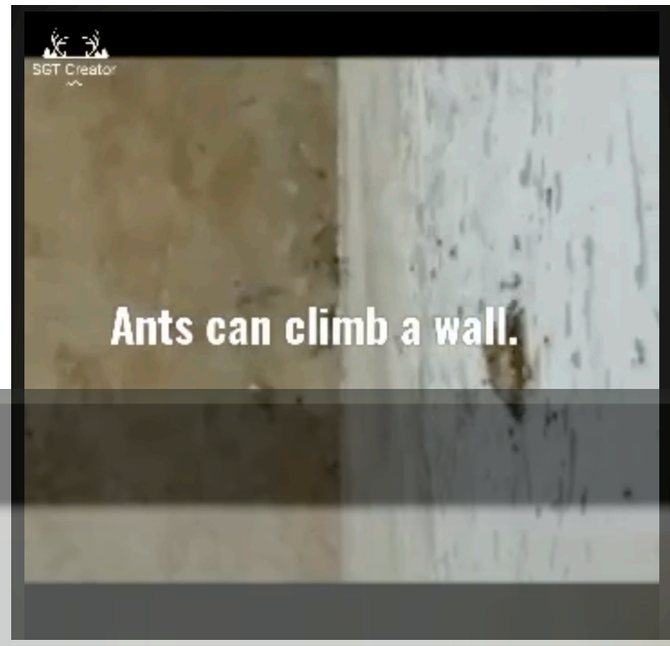
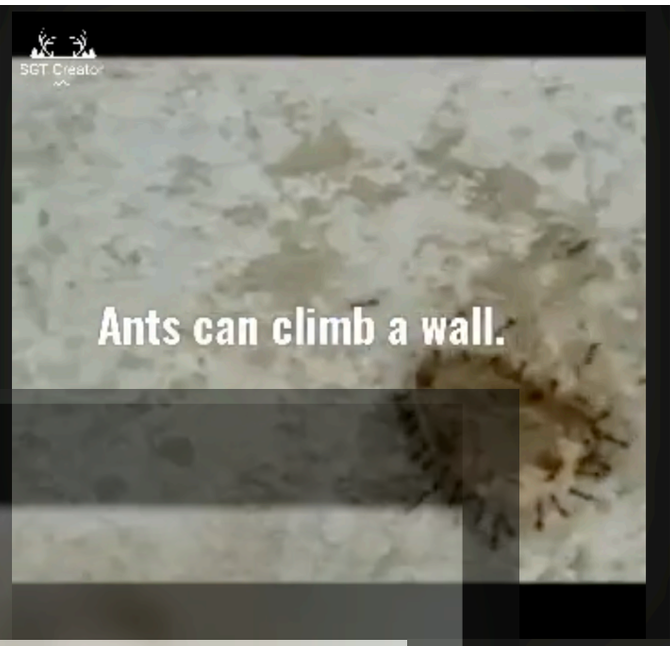
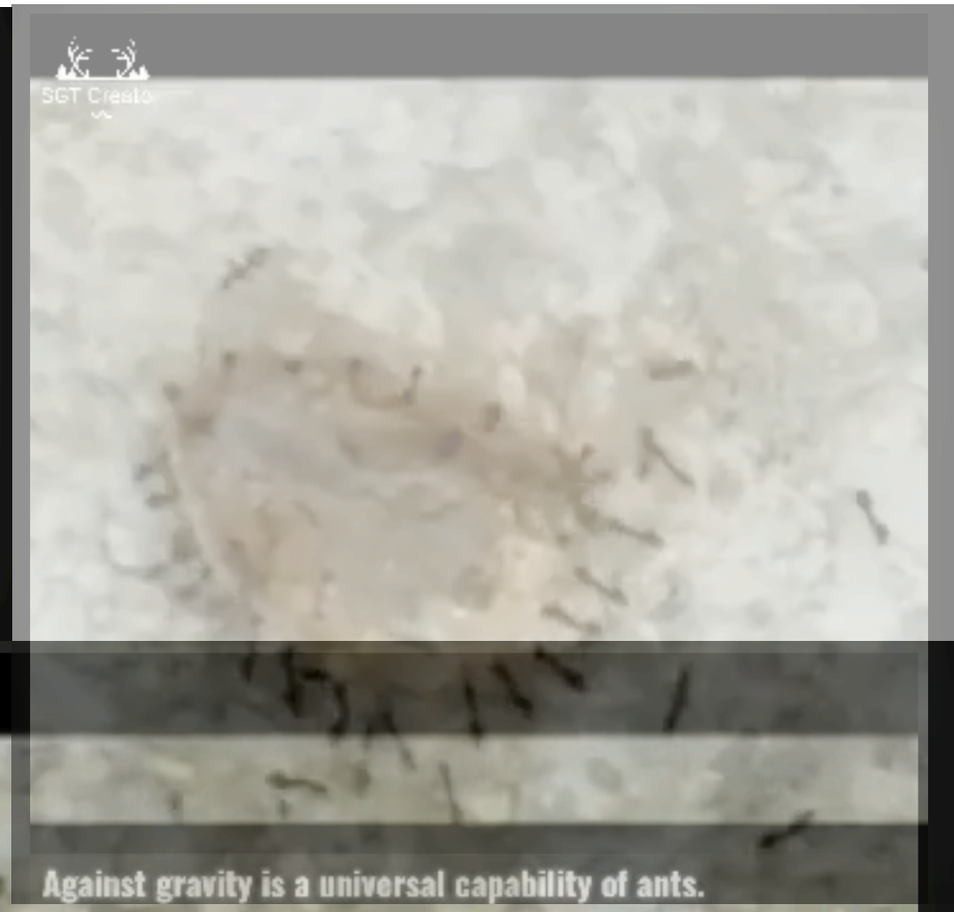

SGT Creator

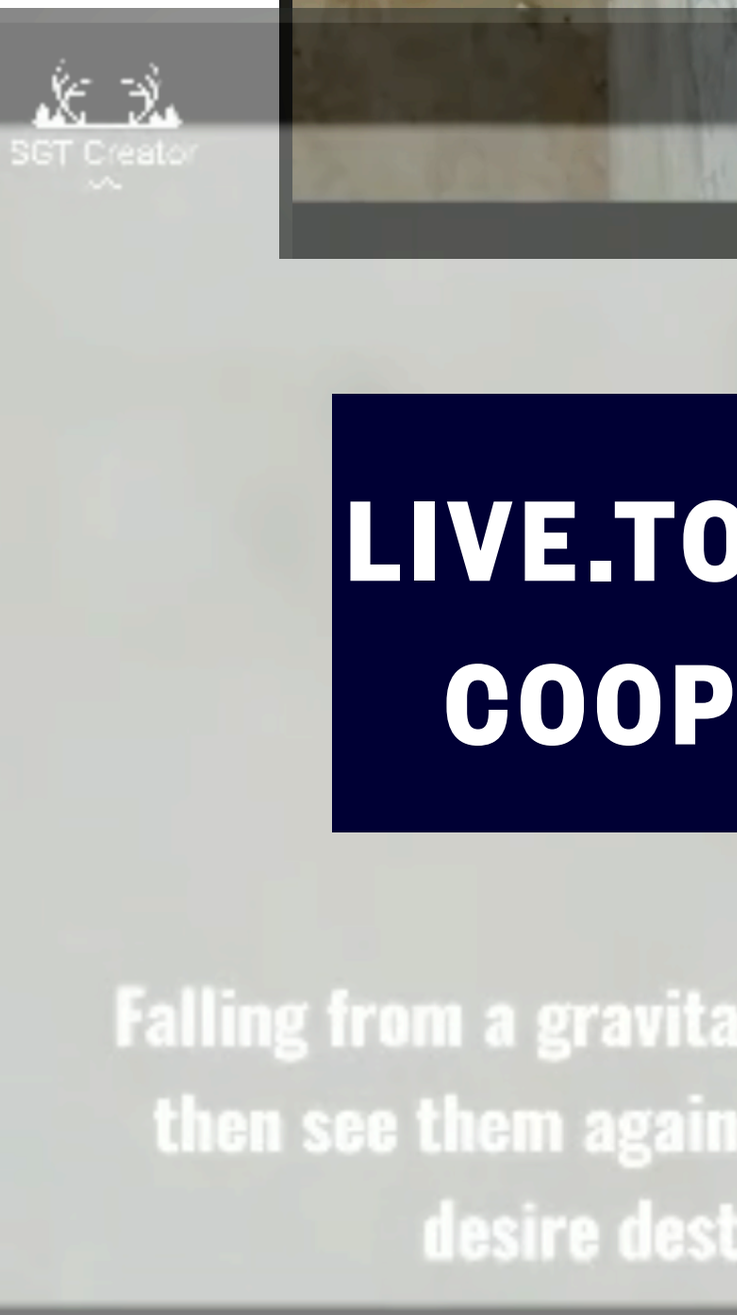

SGT Creator
ANT FARMS
Falling from a gravitational walk on wall
then see them again climbing to their
desire destination.

SGT Creator
Falling from a gravitational walk on wall
then see them again climbing to their
desire destination.



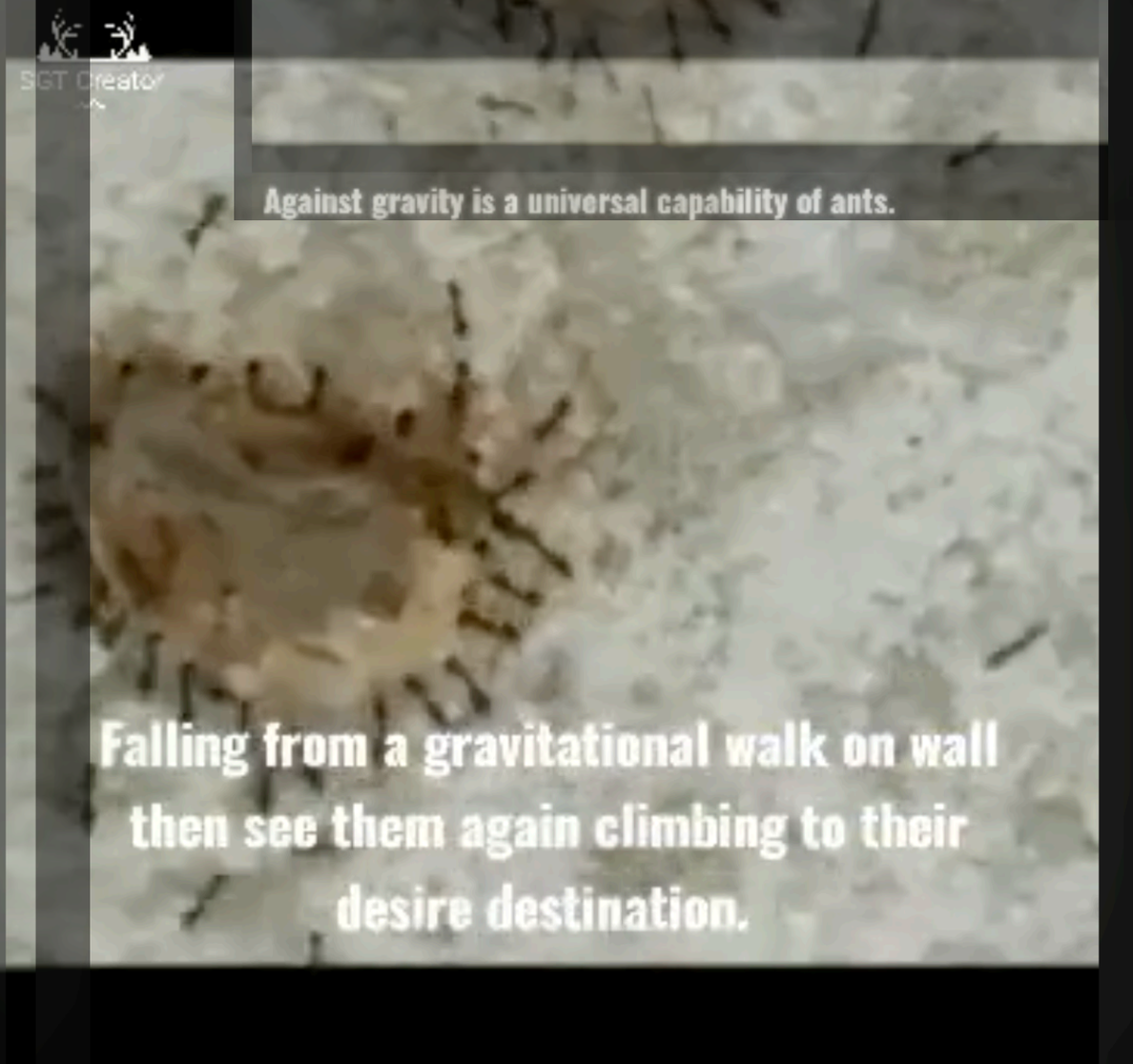


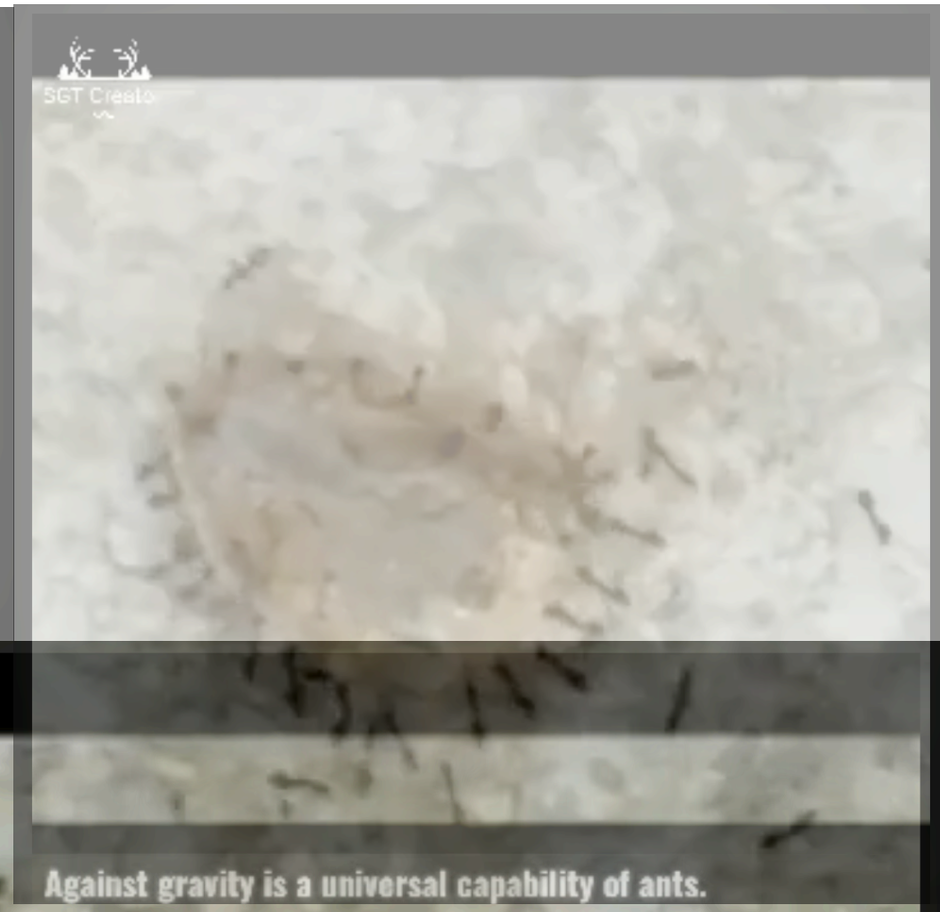




LIVE.TOGETHER.
COOPERATE.

Falling from a gravitational walk on wall then see them again climbing to their desire destination.


SGT Creator
Against gravity is a universal capability of ants.
Falling from a gravitational walk on wall then see them again climbing to their desire destination.



NEW NEST

Falling from a gravitational walk on wall then see them again climbing to their desire destination.

Falling from a gravitational walk on wall then see them again climbing to their desire destination.

Ants can climb a wall.

Ants can climb a wall.

Against gravity is a universal capability of ants.

SWARM.

Falling from a gravitational walk on wall then see them again climbing to their desire destination.

Falling from a gravitational walk on wall then see them again climbing to their desire destination.

3. FORAGE WORKERS ON MUTUALISTIC RELATIONSHIPS.

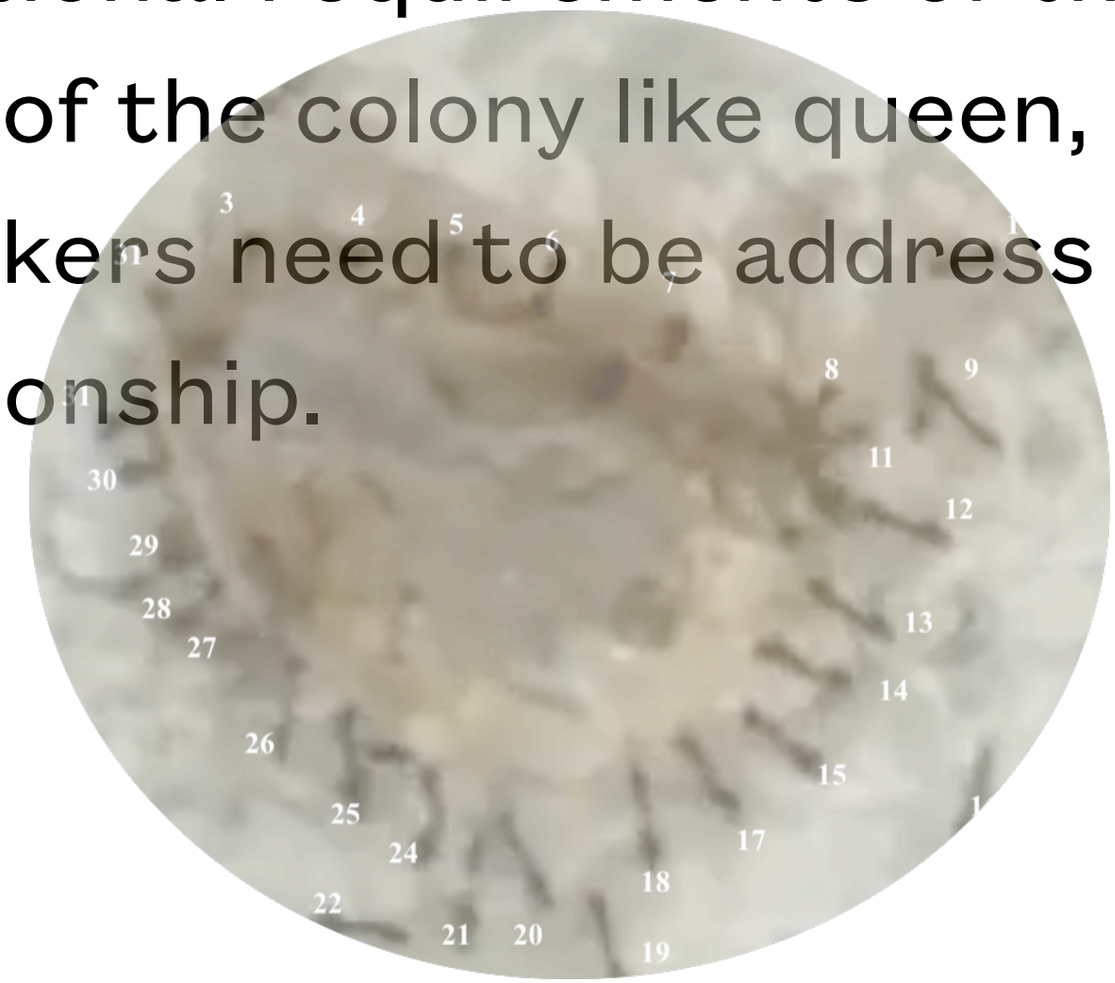
ANT WORKERS

Against gravity is a universal capability of ants.

WORKERS

Forage workers must collect food for a colony despite the difficulty to satisfy their own nutritional requirements.

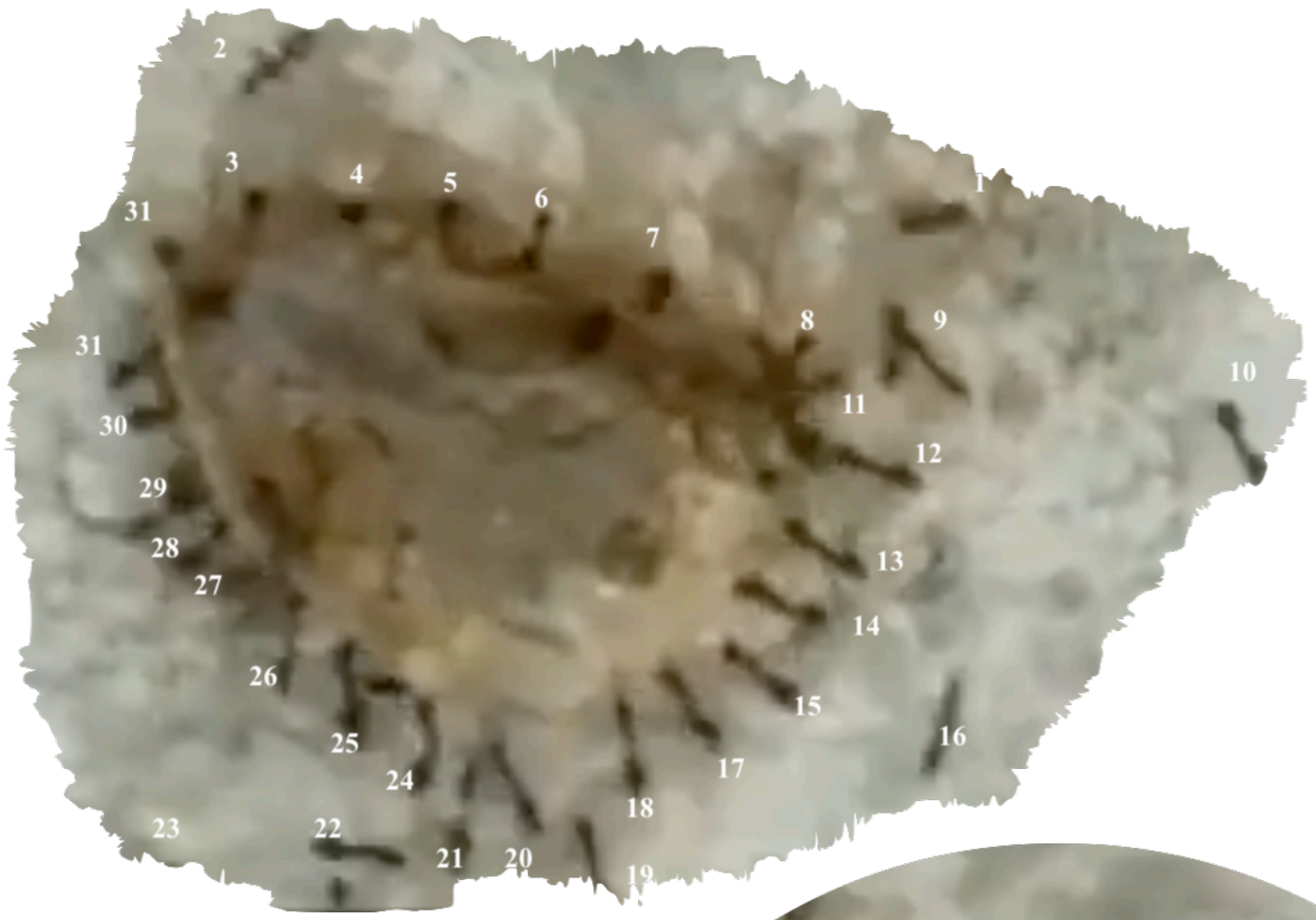
The nutritional requirements of the other members of the colony like queen, larvae and other workers need to be address also in the long relationship.



Ants known how to form a mutualistic interaction with different species like the hemipterans;

The mutualistic relationship in question here is one with a yeast-food. Ant colony of workers comes to around a yeast-food just carry it away to their nest through an upward wall around a home. The seems to be a home ant after all. One that eats yeast-food but I do know ants like sugary food and alike sugar itself.

NATURAL SELECTIONS
OF
COLONY



4. REFERENCE:

(1) Wonder of Ants. Frank Appiah. Youtube. https://www.youtube.com/watch?v=kjMmjWnF9_A

(2) Ants Climb Wall. Frank Appiah. Youtube. https://www.youtube.com/watch?v=qDZU7NmpAUU

(3) Ants and Colony. Wikipedia. 2026. en.wikipedia.org